

LISTING OF THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Claim 1 (Canceled)

Claim 2 (Currently Amended)

The process as claimed in claim 19, wherein at least one embedment at least substantially running in the direction of the wood fibers is formed in the wood base element.

Claim 3 (Currently Amended)

The process as claimed in claim 19, wherein at least one embedment composed of plastic and at least substantially running perpendicularly to the direction of the wood fibers is formed in the wood base element.

Claim 4 (Currently Amended)

The process as claimed in any one of claims 19, 20, 2 and to 3, wherein the plastics embedments and/or the plastics-filled ~~depressions~~ indentations are formed at predetermined sites on the wood base element.

Claim 5 (Currently Amended)

The process as claimed in claim 19, wherein the plastics melt is injection-molded onto the wood base element in such a way that no injected material visibly protrudes at any outer side.

Claim 6 (Currently Amended)

The process as claimed in claim 19, wherein an injection pressure is from 10 bar to 2500 bar.

Claim 7 (Currently Amended)

The process as claimed in claim 19, wherein a mold cavity pressure is from 50 bar to

1400 bar.

Claim 8 (Currently Amended)

The process as claimed in claim 19, wherein the plastic is a thermoplastic.

Claim 9 (Currently Amended)

The process as claimed in claim 19, wherein the temperature of the plastics melt is from +130°C to 400°C.

Claim 10 (Currently Amended)

The process as claimed in claim 19, wherein the plastic is a reactive material.

Claim 11 (Currently Amended)

The process as claimed in claim 19, wherein the temperature of the flowable plastic is selected to be room temperature or higher.

Claim 12 (Currently Amended)

The process as claimed in claim 19, wherein the injection time for the plastic is selected to be in the range from a few tenths of one second to a few seconds.

Claim 13 (Currently Amended)

The process as claimed in claim 19, wherein the wood base element is made from balsa, spruce, oak, or beech, or from types of wood having like properties to those of these types of wood.

Claim 14 (Currently Amended)

The process as claimed in any one of claims 19, 20, 2 and ~~to~~ 3, wherein the linear dimension of the depression(s) and/or embedment(s) is from 1 mm to 2 or more centimeters.

Claim 15 (Currently Amended)

A wood-plastic composite component which is produced by the process as claimed in any one of claims 19, 20, 2 and to 3.

Claim 16 (Canceled)

Claim 17 (Previously Presented)

The process as claimed in claim 10, wherein the plastic is an elastomer.

Claim 18 (Previously Presented)

The process as claimed in claim 10, wherein the plastic is a thermoset.

Claim 19 (New)

A process for bonding a solid wood base element to plastic material by injection-molding for production of functional elements, wherein the wood base element is inserted into an injection mold and, at previously selected sites, plastic material melt is injected and acts on the surface of the wood base element so as to penetrate into existing free spaces,

said process comprising the step of setting process parameters during the injection-molding such that the plastic material melt compresses and partially deforms the wood base element to create new space and penetrates into said new space.

Claim 20 (New)

A process according to claim 19, wherein the plastic material melt forms at least one indentation in the form of an undercut on the surface of the wood base element.